

DI  
Cont  
£1  
sending a 100 MHz time-division multiplexed signal on a transmit data line;

sending a plurality of time-division multiplexed transmit control signals on a transmit control line,

wherein the receive control signals are functionally different types of signals and the transmit control signals are functionally different types of signals.

D2  
£4  
15 (Amended Twice) An interface between a first media access control layer and a second media access control layer, consisting essentially of:

a time-division multiplexed receive data line;

a time-division multiplexed receive control line for transmitting different functional types of receive control signals;

a time-division multiplexed transmit data line;

a time-division multiplexed transmit control line for transmitting different functional types of transmit control signals.

16. (Amended Twice) A media access control layer to physical layer interface consisting essentially of:

a common clock;

a time-division multiplexed receive data line;

a time-division multiplexed receive control line for transmitting different functional types of receive control signals;

a time-division multiplexed transmit data line;

a time-division multiplexed transmit control line for transmitting different functional types of transmit control signals.